

# SEQUENCE LISTING

<110> Mochly-Rosen, Daria

<120> Peptides for Activation and Inhibition  
of delta-PKC

<130> 58600-8208.US00

<140> Not Yet Assigned

<141> Filed Herewith

<150> US 60/262,060

<151> 2001-01-18

<160> 72

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> epsilon V1-2, residues 14-21 of epsilon-PKC

<400> 1

Glu Ala Val Ser Leu Lys Pro Thr  
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<210> 2

<211> 141

<212> PRT

<213> Rattus norvegicus

<400> 2

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Leu	Gln	Ala	Glu	Asp	Asp	Ala	Ser	Gln	Pro	Phe	Cys	Ala	Val	Lys	Met
			20					25					30		
Lys	Glu	Ala	Leu	Thr	Thr	Asp	Arg	Gly	Lys	Thr	Leu	Val	Gln	Lys	Lys
		35					40					45			
Pro	Thr	Met	Tyr	Pro	Glu	Trp	Lys	Ser	Thr	Phe	Asp	Ala	His	Ile	Tyr
	50					55				60					
Glu	Gly	Arg	Val	Ile	Gln	Ile	Val	Leu	Met	Arg	Ala	Ala	Glu	Asp	Pro
65				70					75					80	
Met	Ser	Glu	Val	Thr	Val	Gly	Val	Ser	Val	Leu	Ala	Glu	Arg	Cys	Lys
			85					90						95	
Lys	Asn	Asn	Gly	Lys	Ala	Glu	Phe	Trp	Leu	Asp	Leu	Gln	Pro	Gln	Ala
			100					105					110		
Lys	Val	Leu	Met	Cys	Val	Gln	Tyr	Phe	Leu	Glu	Asp	Gly	Asp	Cys	Lys
		115				120						125			
Gln	Ser	Met	Arg	Ser	Glu	Glu	Glu	Ala	Met	Phe	Pro	Thr			
		130				135					140				

<210> 3

<211> 124

<212> PRT

<213> Mus musculus

<400> 3

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Cys Gln Ser Cys Gln Gly Glu Ala Val Asn Pro Tyr Cys Ala Val Leu  
                   20                  25                  30  
 Val Lys Glu Tyr Val Glu Ser Glu Asn Gly Gln Met Tyr Ile Gln Lys  
                   35                  40                  45  
 Lys Pro Thr Met Tyr Pro Pro Trp Asp Ser Thr Phe Asp Ala His Ile  
                   50                  55                  60  
 Asn Lys Gly Arg Val Met Gln Ile Ile Val Lys Gly Lys Asn Val Asp  
 65                  70                  75                  80  
 Leu Ile Ser Glu Thr Thr Val Glu Leu Tyr Ser Leu Ala Glu Arg Cys  
                   85                  90                  95  
 Arg Lys Asn Asn Gly Lys Thr Glu Ile Trp Leu Glu Leu Lys Pro Gln  
                   100                  105                  110  
 Gly Arg Met Leu Met Asn Ala Arg Tyr Phe Leu Glu  
                   115                  120

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 <213> Rattus norvegicus

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<400> 5  
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<210> 6  
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<400> 6  
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<210> 7  
 <211> 58  
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 Pro Phe Arg Pro Lys Val Lys Ser Pro Arg Asp Tyr Ser Asn Phe Asp  
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                   20                  25                  30  
 Leu Ile Asp Ser Met Asp Gln Ser Ala Phe Ala Gly Phe Ser Phe Val  
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 Asn Pro Lys Phe Glu His Leu Leu Glu Asp  
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<210> 8  
 <211> 17  
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 <223> Drosophila Antennapedia homeodomain-derived  
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<400> 8  
 Cys Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys  
 1 5 10 15  
 Lys

<210> 9  
 <211> 10  
 <212> PRT  
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 <223> Tat-derived carrier peptide

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1

5

<210> 20

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<212> PRT

<213> Rattus norvegicus

<400> 20

Glu Asp Pro Met

1

<210> 21

<211> 5

<212> PRT

<213> Rattus norvegicus

<400> 21

Ala Glu Asp Pro Met

1

5

<210> 22

<211> 8

<212> PRT

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Met Arg Ala Ala Glu Asp Met Pro

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5

<210> 23

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Met Glu Ala Ala Glu Asp Pro Met

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<210> 24

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<212> PRT

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1

5

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<400> 33  
Met Arg Ala Ala Glu Asn Pro Met  
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<400> 34  
Thr Phe Asn Ser Tyr Glu Leu Gly Ser Leu  
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<220>  
<223> modified delta V1-1 peptide

<400> 35  
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<210> 41  
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<213> Artificial Sequence



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<210> 44
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<212> PRT  
<213> Rattus norvegicus

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Tyr Glu Leu Gly Ser Leu  
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<210> 50  
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<220>  
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<400> 50  
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<210> 51  
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Tyr Asp Ile Gly Ser Leu  
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<212> PRT

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<220>

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Tyr Asp Val Gly Ser Leu  
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<210> 54

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> modified fragment of delta V1-1 peptide

<400> 54

Tyr Asp Leu Pro Ser Leu  
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<210> 55

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> modified fragment of delta V1-1 peptide

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Tyr Asp Leu Gly Leu Leu  
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<210> 56

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<213> Artificial Sequence

<220>

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<400> 56

Tyr Asp Leu Gly Ser Ile  
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<210> 57

<211> 6

<212> PRT

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<223> modified fragment of delta V1-1 peptide

<400> 57

Tyr Asp Leu Gly Ser Val  
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<400> 66  
Ala Leu Thr Ser Asp Arg Gly Lys Thr Leu Val  
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1 5 10

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1 5 10

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 Ala Leu Thr Thr Asp Lys Gly Lys Thr Leu Val  
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 1 5 10

<210> 72  
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 Glu Arg Ala Asp Ala Glu Thr Leu Arg Lys Ala Met Lys Gly Leu Gly  
 20 25 30  
 Thr Asp Glu Glu Ser Ile Leu Thr Leu Thr Ser Arg Ser Asn Ala  
 35 40 45  
 Gln Arg Gln Glu Ile Ser Ala Ala Phe Lys Thr Leu Phe Gly Arg Asp  
 50 55 60  
 Leu Leu Asp Asp Leu Lys Ser Glu Leu Thr Gly Lys Phe Glu Lys Leu  
 65 70 75 80  
 Ile Val Ala Leu Met Lys Pro Ser Arg Leu Tyr Asp Ala Tyr Glu Leu  
 85 90 95  
 Lys His Ala Leu Lys Gly Ala Gly Thr Asn Glu Lys Val Leu Thr Glu  
 100 105 110  
 Ile Ile Ala Ser Arg Thr Pro Glu Glu Leu Arg Ala Ile Lys Gln Val  
 115 120 125  
 Tyr Glu Glu Glu Tyr Gly Ser Ser Leu Glu Asp Asp Val Val Gly Asp  
 130 135 140  
 Thr Ser Gly Tyr Tyr Gln Arg Met Leu Val Val Leu Leu Gln Ala Asn  
 145 150 155 160  
 Arg Asp Pro Asp Ala Gly Ile Asp Glu Ala Gln Val Glu Gln Asp Ala  
 165 170 175  
 Gln Ala Leu Phe Gln Ala Gly Glu Leu Lys Trp Gly Thr Asp Glu Glu

[illegible]